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/**
 * Marlin 3D Printer Firmware
 * Copyright (C) 2016 MarlinFirmware
[https://github.com/MarlinFirmware/Marlin]
 *
 * Based on Sprinter and grbl.
 * Copyright (C) 2011 Camiel Gubbels / Erik van der Zalm
 *
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 */

/**
 * RUMBA pin assignments
 */

#ifndef __AVR_ATmega2560__
  #error "Oops! Make sure you have 'Arduino Mega' selected from the 'Tools
-> Boards' menu."
#endif

#if E_STEPPERS > 4 || HOTENDS > 4
  #error "RUMBA supports up to 4 hotends / E-steppers. Comment this line
to keep going."
#endif

#define DEFAULT_MACHINE_NAME "Rumba"
#define BOARD_NAME          "Rumba"

#define X_STEP_PIN          17
#define X_DIR_PIN           16
#define X_ENABLE_PIN        48
#define X_MIN_PIN           37
#define X_MAX_PIN           36

#define Y_STEP_PIN          54
#define Y_DIR_PIN           47
#define Y_ENABLE_PIN        55
#define Y_MIN_PIN           35
#define Y_MAX_PIN           34

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#define Z_STEP_PIN          57
#define Z_DIR_PIN           56
#define Z_ENABLE_PIN        62
#define Z_MIN_PIN           33
#define Z_MAX_PIN           32

#ifndef Z_MIN_PROBE_PIN
    #define Z_MIN_PROBE_PIN  33
#endif

#define E0_STEP_PIN         23
#define E0_DIR_PIN          22
#define E0_ENABLE_PIN       24

#define E1_STEP_PIN         26
#define E1_DIR_PIN          25
#define E1_ENABLE_PIN       27

#define E2_STEP_PIN         29
#define E2_DIR_PIN          28
#define E2_ENABLE_PIN       39

#define E3_STEP_PIN         4          //on Rumba --> EXP3 5
#define E3_DIR_PIN          5          //on Rumba --> EXP3 6
#define E3_ENABLE_PIN       63        //on Rumba --> EXP3 7

#define LED_PIN             13

#define FAN_PIN              7

#define PS_ON_PIN           45
#define KILL_PIN            46

#define HEATER_0_PIN        2    // EXTRUDER 1
#define HEATER_1_PIN        3    // EXTRUDER 2
#define HEATER_2_PIN        6    // EXTRUDER 3
#define HEATER_3_PIN        8    // EXTRUDER 4 on Rumba --> FAN1

#if TEMP_SENSOR_0 == -1
    #define TEMP_0_PIN        6    // ANALOG NUMBERING - connector *K1* on
    RUMBA thermocouple ADD ON is used
#else
    #define TEMP_0_PIN        15    // ANALOG NUMBERING - default connector
    for thermistor *T0* on rumba board is used
#endif

#if TEMP_SENSOR_1 == -1
    #define TEMP_1_PIN        5    // ANALOG NUMBERING - connector *K2* on
    RUMBA thermocouple ADD ON is used
#else
    #define TEMP_1_PIN        14    // ANALOG NUMBERING - default connector

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for thermistor *T1* on rumba board is used
#endif

#if TEMP_SENSOR_2 == -1
    #define TEMP_2_PIN          7    // ANALOG NUMBERING - connector *K3* on
RUMBA thermocouple ADD ON is used <-- this can not be used when
TEMP_SENSOR_BED is defined as thermocouple
#else
    #define TEMP_2_PIN          13    // ANALOG NUMBERING - default connector
for thermistor *T2* on rumba board is used
#endif

#define TEMP_3_PIN             12    // ANALOG NUMBERING - default connector
for thermistor *T3* on rumba board is used

#define HEATER_BED_PIN         9     // BED
#if TEMP_SENSOR_BED == -1
    #define TEMP_BED_PIN        7     // ANALOG NUMBERING - connector *K3* on
RUMBA thermocouple ADD ON is used <-- this can not be used when TEMP_SENSOR_2
is defined as thermocouple
#else
    #define TEMP_BED_PIN        11    // ANALOG NUMBERING - default connector
for thermistor *THB* on rumba board is used
#endif

#define SDSS                    53
#define SD_DETECT_PIN           49
#define BEEPER_PIN              44
#define LCD_PINS_RS             19
#define LCD_PINS_ENABLE         42
#define LCD_PINS_D4             18
#define LCD_PINS_D5             38
#define LCD_PINS_D6             41
#define LCD_PINS_D7             40
#define BTN_EN1                 11
#define BTN_EN2                 12
#define BTN_ENC                 43

// #define SERVO0_PIN            5

```